

U.S. Appln. S.N. 10/550,294
AMENDMENT

PATENT

IN THE CLAIMS:

Please amend claims 1, 2, 4, 7, 8 and 10, and add new claims 11-14, as shown below in the detailed listing of all claims which are, or were, in the application:

1. (Currently amended) A method for manufacturing an antenna of a hybrid contact-contactless or contactless smart card that includes a support on which the antenna is made, two card bodies on each side of said support, each of said card bodies consisting of comprising at least one thermoplastic layer, and a chip or a module connected to the antenna[.].

comprising the steps of:

- depositing a layer of a material consisting essentially of resin on a predetermined zone on said antenna support, said zone corresponding to the an imprint of the antenna or being slightly larger than it said antenna.

- manufacturing the antenna, including screen printing turns and two connection pads of electrically conductive ink on said zone prepared beforehand on said support and subjecting said support to a heat treatment in order to bake said ink.

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2. (Currently amended) The manufacturing method according to claim 1, wherein said material layer is an offset type ink.

3. (Previously presented) The manufacturing method according to claim 2, wherein said ink consists essentially of rosin.

4. (Currently amended) The manufacturing method according to claim 2, wherein said ink consists essentially of epoxy cyanoacrylate type resin.

5. (Previously presented) The manufacturing method according to claim 1 wherein said two card bodies are laminated on each side of said support in two steps, the first lamination step comprising welding on each side of said antenna support two homogenous thermoplastic sheets by hot press moulding at a temperature sufficient for the material that makes up the sheets to soften and to flow completely so as to eliminate all differences in thickness of the support, and

a second lamination step performed after a duration corresponding to the time required for said thermoplastic sheets to solidify, said second step comprising welding on the antenna

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support of constant thickness obtained after the first lamination step two layers of plastic material, constituting the body of the card, by hot press moulding.

6. (Previously presented) The manufacturing method according to claim 1, wherein said two card bodies are laminated on each side of said support according to a single lamination step comprising welding on each side of said antenna support at least two thermoplastic layers.

7. (Currently amended) A hybrid contact-contactless or contactless smart card featuring comprising an antenna on a support, said antenna comprising at least one turn of electrically conductive ink screen printed on said antenna support, two card bodies on each side of said support, each of said card bodies comprising at least one layer of plastic material, and a chip or module connected to the antenna

wherein the antenna comprising turns and two connection pads of conductive ink is screen printed on a zone of the antenna support, said zone corresponding to the an imprint of the antenna

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or being slightly larger than the latter and on which a material consisting essentially of resin has been deposited.

8. (Currently amended) The smart card according to claim 7, wherein said material layer is an offset type ink.

9. (Previously presented) The smart card according to claim 8, wherein said ink consists essentially of rosin.

10. (Currently amended) The smart card according to claim 8, wherein said ink consists essentially of epoxy cyanoacrylate type resin.

11. (New) The method of claim 1, wherein the material layer of resin is more dimensionally stable than the antenna support at elevated temperature and pressure.

12. (New) The method of claim 11, wherein the material layer of resin is more dimensionally stable than the antenna support at 180° and 280 bar.

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13. (New) The smart card of claim 7, wherein the resin is more dimensionally stable than the antenna support at elevated temperature and pressure.

14. (New) The smart card of claim 13, wherein the resin is more dimensionally stable than the antenna support at 180° and 280 bar.